

Converting Colors

XYZ(41.7978, 20.1585, 64.7124)

Have a look what the booklet for
XYZ(41.7978, 20.1585, 64.7124)
contains.

XYZ(41.8290, 20.1762, 64.6406)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.8290, 20.1762,
64.6406)**

Conversions

Conversions Part 1

Format	Color
Hex	DD00D5
RGB	221, 0, 213
RGB Percent	87%, 0%, 84%
CMY	0.1333, 0.9999, 0.1647
CMYK	0.00, 1.00, 0.04, 0.13
HSL	302°, 100%, 43%
HSV	302°, 100%, 87%
XYZ	41.8290, 20.1762, 64.6406
YIQ	90.3610, 63.3430, 113.0950

Conversions

Conversions Part 2

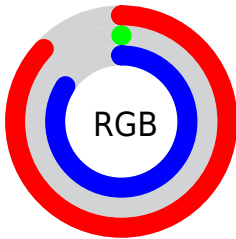
Format	Color
R _{YB}	221, 0, 213
Decimal	14483669
CIE Lab	52.04, 87.06, -50.79
CIE LCh	52, 100.793, 329.743
Yxy	20.1762, 0.3303, 0.1593
Android (android.graphics.Color)	4292673749 (0xFFDD00D5)
YUV	90.3610, 60.4610, 114.5704
Hunter-Lab	44.9179, 87.6185, -53.8807

Details

The XYZ color **41.8290, 20.1762, 64.6406** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **25.9012, 51.7314, 8.8507**, and the grayscale version is **9.6620, 10.1652, 11.0699**.

A 20% lighter version of the original color is **63.5647, 37.0294, 98.4049**, and **20.7837, 10.0114, 32.7353** is the 20% darker color. If you saturate the color by 10%, you get **41.8293, 20.1764, 64.6401**, and if you desaturate by 10%, it is **42.2208, 20.7961, 65.2737**.

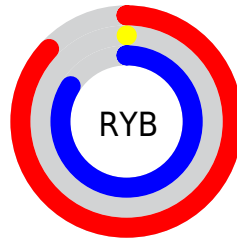
Distribution



Red (87%)

Green (0%)

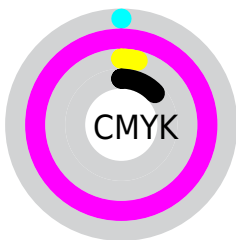
Blue (84%)



Red (87%)

Yellow (0%)

Blue (84%)

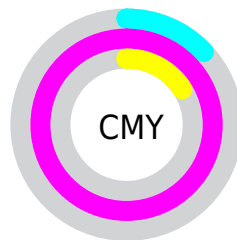


Cyan (0%)

Magenta (100%)

Yellow (4%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8290, 20.1762, 64.6406 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 41.8290, 20.1762, 64.6406 by changing the saturation by 10% instead.

 41.8290, 20.1762,
64.6406

 41.8290, 20.1762,
64.6406


344.7773,
252.8674, 459.7701


 29.1579, 12.5232,
46.7202


 77.2075, 43.7124,
113.1413

 19.3452, 7.1010,
32.4618


 100.6457, 60.3644,
144.5587

 12.0255, 3.5254,
21.4467


 128.4037, 80.7848,
181.3122

 6.8334, 1.4118,
13.2565

 160.8468,
105.3581, 223.8204

 3.4035, 0.2254,
7.4726

 198.3403,
134.4686, 272.5017

 1.3706, 0.0000,
3.6765

 241.2497,

 0.2351, 0.0000,

168.5007, 327.7747

1.4496

289.9402,
207.8388, 390.0580

■ 0.0000, 0.0000,
0.1800

■ 0.0000, 0.0000,
0.0000

■ 41.8290, 20.1762,
64.6406

■ 41.8290, 20.1762,
64.6406

■ 41.8293, 20.1764,
64.6401

■ 42.2208, 20.7961,
65.2737

■ 42.9430, 22.0769,
66.0193

■ 44.1042, 24.2347,
66.9137

■ 45.7652, 27.3913,
67.9772

■ 47.9773, 31.6494,
69.2269

■ 50.7855, 37.0987,
70.6777

■ 54.2300, 43.8198,
72.3432

■ 58.3476, 51.8865,
74.2355

■ 63.1723, 61.3666,
76.3660

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.7544, 20.1762, 116.9434



41.8290, 20.1762, 64.6406



46.5247, 20.1762, 22.2237

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



41.8290, 20.1762, 64.6406



19.2658, 20.1762, 0.0000



6.6222, 20.1762, 63.7406

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



41.8290, 20.1762, 64.6406



25.9012, 51.7314, 8.8507

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



5.4211, 20.1762, 21.7152



41.8290, 20.1762, 64.6406



10.9448, 20.1762, 0.1539

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



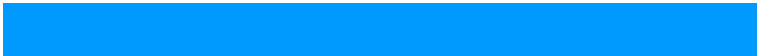
41.8290, 20.1762, 64.6406



30.9655, 20.1762, 0.1856



6.6660, 20.1762, 4.0053



10.8393, 20.1762, 116.1700

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.8290, 20.1762, 64.6406



44.4579, 20.1762, 7.8543



6.6660, 20.1762, 4.0053



5.9372, 20.1762, 47.1874

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



41.8298, 20.1772, 64.6410



74.8673, 60.3430, 99.9882



13.1443, 5.2690, 68.7317



15.5697, 12.0271, 21.1848



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.8298, 20.1772, 64.6410



57.8388, 27.8995, 89.3381



32.2753, 16.3554, 14.3276



13.5930, 13.2663, 16.3837



24.3085, 11.7244, 37.6000



1.5813, 0.7622, 2.4702

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



41.8298, 20.1772, 64.6410



57.8388, 27.8995, 89.3381



29.1202, 53.0190, 25.8018



13.5930, 13.2663, 16.3837



24.3085, 11.7244, 37.6000



1.5813, 0.7622, 2.4702

Previews

White Background



This preview shows how the XYZ color 41.8290, 20.1762, 64.6406 looks on a white background.

Color Contrast Check

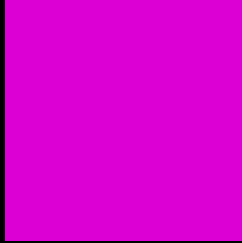
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 41.8290, 20.1762, 64.6406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

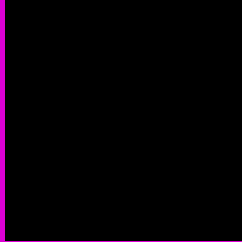
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.8290, 20.1762, 64.6406

Background



This preview shows how black text looks on a background with the XYZ color 41.8290, 20.1762, 64.6406.



This preview shows how white text looks on a background with the XYZ color 41.8290, 20.1762,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

41.8290, 20.1762, 64.6406

Protanopia

25.1759, 21.0435, 97.3426

Deuteranopia

21.4535, 20.9308, 57.5529



Tritanopia

30.9859, 20.4718, 11.7695

Trichromacy



Original Color

41.8290, 20.1762, 64.6406



Protanomaly

22.8963, 13.9262, 83.9193



Deuteranomaly

23.5610, 15.1316, 59.4365



Tritanomaly

33.0168, 18.4136, 24.3683

Monochromacy



Original Color

41.8290, 20.1762, 64.6406



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.3175, 10.0788, 24.0070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8290, 20.1762, 64.6406 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(221, 0, 213)` looks like.

```
.text, #text, p{  
    color:rgb(221, 0, 213)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(221, 0, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 0, 213) }
```

Border

The CSS property to change the border of an element to XYZ 41.8290, 20.1762, 64.6406 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(221, 0, 213) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(221, 0, 213) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(221, 0, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 0, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 0, 213);  
box-shadow:4px 4px 4px 4px rgb(221, 0,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8290, 20.1762, 64.6406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 0, 213) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(221, 0,  
213) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor